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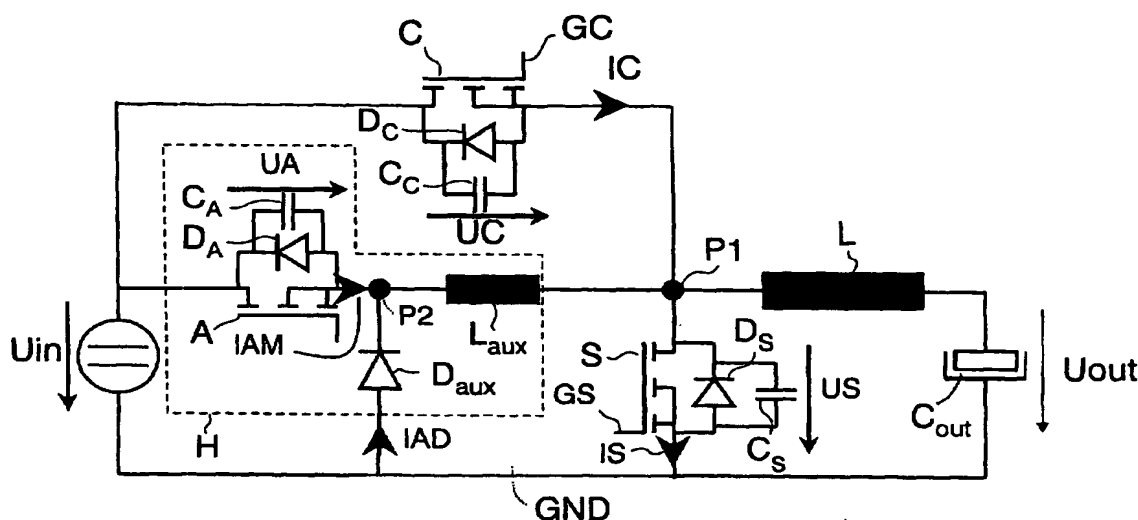
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(54) Title: DC/DC DOWN CONVERTER



(57) **Abstract:** The invention relates to a DC/DC down converter which includes a synchronous rectifier, a switching element at its input side and an inductance at its output side. In order to permit fast load fluctuations as well as to reduce costs and operating losses, it is proposed to provide an auxiliary circuit which comprises an auxiliary switching element, an auxiliary rectifier and an auxiliary inductance, the auxiliary circuit being coupled to the connection between the synchronous rectifier, the switching element at the input side and the inductance at the output side.



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